



FOR FURTHER TRAN THE



# OCCURRENCE OF TYPHOONS/TROPICAL STORMS

(1949-1969)

### AT SELECTED LOCATIONS

(UPDATED THROUGH 1977 FOR SIX PACIFIC BASES)



PREPARED BY:

ENVIRONMENTAL SERVICES
HQ 1ST WEATHER WING
HICKAM AFB, HI. 96853



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1ST WEATHER WING SPECIAL STUDY 105-55

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HEADQUARTERS 1ST WEATHER WING (MAC)
HICKAM AIR FORCE BASE, HAWAII 96853



#### INTRODUCTION

- 1. 1WW Special Study 105-55, Occurrence of Typhoons/Tropical Storms (1949-1969) at Selected Locations (updated through 1977 for six Pacific bases), presents the number of typhoons and tropical storms passing within 60, 120, and 240 nautical miles of selected locations in Asia and the Western Pacific. The occurrences for Clark AB PI, Kadena AB JA, Yokota AB JA, Kunsan AB ROK, Osan AB ROK, and Andersen AFB GU, have been updated to include the years 1970-1977 (See pg ii). The occurrences for the years 1949-1969 for these six bases are in the by country section to facilitate comparisons with other locations for the same time period.
- 2. Note that the occurrences are just that and not an average number of storms. Also, the information in this publication should not be used in any way as a weather forecast.
- 3. This study was originally prepared by the Environmental Services (IVC), Aerospace Sciences Division, 1st Weather Wing, APO San Francisco 96553 in 1970. Additional copies of the original publication may be obtained from the Defense Documentation Center (AD 706 408).

FOR THE COMMANDER Philly Drivoor

PHILLIP D. WOOD, Major, USAF Chief, Aerospace Sciences Branch Operations Division

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Typhoon/Tropical Storm Climatology, Western Pacific Tropical Cyclones

#### 20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

Both the occurrences of typhoons and the occurrences of typhoons and tropical storms within 60, 120, and 240 nautical miles are presented by month for 106 Western Pacific locations. The occurrences for Clark AB PI, Kadena AB JA, Yokota AB JA, Kunsan AB ROK, Osan AB ROK, and Andersen AFB GU, have been updated to include 1970-1977 data.

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Base					1949-1977						A1	Numbe	r of		noon	Ø	Tron	;
										-	B1	BNumber of	r of	Typhoons	door		TATE	Storms
		Jan	Feb	Mar	Apr	Мау		Jun	Jul		Aug	01	Sep		.,	Nov		Dec
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## **CAMBODIA**

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120NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	li	1	0	0
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Within: 60NM 120NM 240NM		В	A	В	A	В	٨	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	<b>A</b>	В

# **CAROLINE ISLANDS**

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120NM	-	2	0	0	2	1	3	2	2	1	2	2	2	0	1	0	1	0	2	1		1	3	1
240NM	3	2	0	0	3	1	8	7	3	2	2	2	7	0	3	0	6	2	5	2	7	4	7	5
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60NM	2	0	1	1	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	(
120NM	2	0	1	1	0	0	2	2	1	1	1	1	0	0	2	0	0	0	2	0	2	1	2	2
240NM	5	2	3	1	2	2	4	3	4	3	2	1	2	1	5	2	3	0	6	2	9	6	6	É
Station:	KU	SAI	E I	s (	913	56)																		
		M	_	EB		<b>AR</b>		PR	M			N		JL	_	JG	_	P	O	_	N	_	DE	C
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60NM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
120NM		1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0
240NM	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	3	1	4	2
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# JAPAN (including Ryukyu and Volcano Islands)

NOTE:

A -- Number of Typhoons and Tropical Storms.

B -- Number of Typhoons Only. JAPAN

(INCLUDING RYUKYUS AND VOLCANO

ISLANUS)

Station: ASHIYA (47803)

	1/	MA		EB			A	PR	M	AY	JL	JN	JL	JL	A	JG	S	EP	O	CT	NO	VC	DE	C
Within:	A	В	A	В	A	В	A	В	A	В	A	В	A	B	A	В	A	В	A	В	A	В	A	В
60 NM	0	0	0	0	0	0	0	0	0	0	2	2	4	3	3	1	3	1	1	1	0	0	0	0
120NM	0	0	0	0	0	0	0	0	2	0	4	2	7	4	9	2	9	5	2	1	0	0	0	0
240NM	0	0	0	0	0	0	1	0	2	1	8	6	17	6	24	15	12	11	4	2	0	0	0	0

Station: ATSUGI (47679)

	1/	MA	F	EB	M	IR	A	PR	M	Y	JL	N	JL	JL	A	UG	S	EP	O	T	NO	OV	K	C
Within:	A	В	A	В	A	B	A	В		В								B	A	В	A	В	A	B
60NM	0	p	0	0	0	0	0	0	1	0	3	1	2	1	7	3	7	5	1	1	0	0	0	0
120NM	0	0	0	0	0	0	0	0	1	0	4	3	4	2	11	6	11	8	2	7	0	0	0	0
240 NM	0	0	0	0	0	0	0	0	1	0	6	5	8	4	27	15	19	15	12	9	2	2	0	0

Station: CHITOSE (47425)

	1	AN	FI	EB	M	AR	A	PR	M	Y	Jl	N	JL	JL	AL	JG	SI	EP	O	T	K	VC	DE	C
Within:	<b>A</b>	В	A	В	A.	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	4	0	0	0	0	0	0	0
120NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	6	0	0	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	10	1	10	5	1	1	0	0	0	0

Station: ITAZUKE (47808)

	J	M	FI	B	M	AR	A	PR	M	AY	3	JN	JL	JL	AL	JG	SI	EP	O	CT	K	X	D	C
Within:	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	3	2	4	3	5	1	3	1	1	1	0	0	0	0
120NM	0	0	0	0	0	0	0	0	1	0	4	2	7	4	11	4	9	6	2	1	0	0	0	0
240NM	0	0	0	0	0	0	1	0	3	1	8	6	15	6	22	14	13	10	4	2	1	0	0	0

Station: IWAKUNI (47764)

	J	M	FI	EB	M	AR.	A	PR	M	AY	J	K	JL	JL	AL	JG	SI	EP	00	T	N	VC	DI	EC
Within:	1	В	A	B	A	B	A	B	A	В	4	B	A	B	A	B	A	В	A	В	A	В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	3	2	0	0	3	1	7	2	1	1	0	0	0	0
120NM	0	0	0	0	0	Ö	0	0	1	0	4	3	4	3	10	5	9	4	2	1	0	0	0	0
240NM	0	0	0	0	0	0	1	0	1	1	7	5	12	5	23	14	18	16	4	2	0	0	•0	0

Station: \_\_\_IWO JIMA (91115)

	J	MA	F	EB	M	AR	A	PR	M	AY	J	N	J	JL	AL	JG	SI	EP	O	CT	K	VC	DE	C
Within:	A	8	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	B
60NM	0	0	0	0	0	0	1	0	1	0	0	0	5	3	8	4	5	2	3	2	1	. 1	1	1
120NM	0	0	0	0	0	0	1	0	1	0	1	1	7	3	16	7	12	9	6	6	2	1	2	2
240NM	0	0	0	0	0	0	1	0	4	3	1	1	15	10	29	23	21	17	19	17	7	6	6	6

NO	TE:		A		Nu	mbe	er o	f Ty	pho	ons	an	d T	ropi	ical	Sto	orm	S.							
			В		Nu	mbe	er o	f Ty	pho	ons	O	nly.	JA	\PAN	۱ ( I	NCL	UDI	NG	RYU	ΙΚΥL	IS A	ND		-
Station:	J0	HNS	ON	(.47	643	)												V	OLC	ANC	IS	LAN	IDS)	
	JA	N	FE	R	MA	R	AF	R	MA	VI	.11	N	JL	11	Al	JG	SE	P	o	T	INC	V	DE	7
Within:	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	
60 NM	0	0	0	0	0	0	0	0	1	0	3	2	2	1	7	4	7	5	1	1	0	0	0	0
120NM	0	0	0	0	0	0	0	0	1	0	4	3	3	2	11	6	10	8	7	1	0	0	0	0
240NM	0	0	0	0	0	0	0	0	7	0	6	5	7	3	25	15	19		10	8	2	2	0	0
Station:	KA	DEN	A (	479	31)	s	EE	PAG	Εi	i F	OR	UPD	ATE	D O	CCU	RRE	NCE	S T	HRO	UGH	19	77.	_+	-
	JA	N	F	В	MA	R	AF	P	MA	v	.11	H	JL	11	Al	JG	SI	FP	o	T	NC	V	Œ	$\dashv$
Within:	A	В	A	В	A	B	A	В	A	В	A	В	A	В	A	В	A	В	A	B	A	B	A	B
60NM	0	0	0	0	0	0	2	2	0	0	3	3	6	4	8	5	7	6	4	4	4	3	1	0
120NM	0	0	0	0	0	0		2	2	1	7	4	8	7	13	9	9	7	6	6	6	3	1	0
240NM	0	0	0	0	0	0	2	2	6	3	12	8	20	14	27	22	20	19	9	8	8	6	1	0
Station:	ΚI	SAR	AZU	(4	766	1)		_				_												
	J	IN	F	В	MA	R	AF	R	W	Y	JL	M	JL	JL	AL	JG	SI	EP	O	T	NC	V	DE	c
Within:	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В
MMOD	0	0	0	0	0	0	0	0	1	0	2	2	2	2	7	5	8	5	1	1	0	0	0	0
120NM	0	0	0	0	0	0	0	0	1	0	5	3	4	2	14	7	10	8	3	1	0	0	0	0
240NM	0	0	0	0	0	0	0	0	1	0	6	5	8	3	27	16	20	15	13	10	2	2	0	0
Station:	MI	НО	(47	743	3)							_												
	J	AN	FI	B	M	\R	AF	R	M	Y	JL	JN	JL	JL	AL	JG	SI	EP	O	T	NO	V	DE	c
Within:	A	В	A	В	A	-	A	В	A	В	A	В	A	В	A	В	A	В	A	В	_	В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	2	1	1	1	4	1	3	1	1	1	0	d	d	0
120NM	0	0	0	0	0	0	0	0	1	0	5	3	2	1	9	4	8	4	2	1	0	d	0	0
240NM	0	0	Ö	0	Ö	0	0	0	1	0	7	4	11	5	25	14	13	9	4	1	0	q	0	0
Station:		MI	SAV	IA I	475	80																		
	J	AN	F	EB	IM	AR	A	PR	M	Y	IL	N	JL	JL	AL	JG	SE	P	00	1	NC	V	DE	c
Within:	A	B	A	В	A		A	В	A	В	A	В	A	В	A	В	A	В	A	В		В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0			0	4	2	0	0	0	d	q	0
120NM	0	0	0	0	0	.0	0	0	0	0	0	0	0	0	7	1	7	4	1	1	0	q	q	0
240NM	0	0	0	0	0	0	0	0	1	0	3	0	4	0	14	3	13	8	3	1	0	þ	,q	0
Station:	N/	GOY	Α	470	535)				_			_	_											7
	J	AN	F	EB	M	AR	A	PR	M	AY	JL	N	J	JL	Al	JG	SI	EP	O	T	NO	V	DE	c
Within:	A	В	A	В	A	_	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A		A	В
60NM	0	0	0	0	0	0	0	0	1	0	2	2	2	0	7	0	3	2	2	0	0	d	d	0
120NM	0	0	0	0	0	0	0	0	2	0	4	3	2	1	16	7		1			0	d	g	0
240NM		0	0	0	0	0	0	0	2	1	6	5	11	4			13 19	15	9	6	0	q	q	O
	_		_	_							-								-		_		_	ئے

· NO	)TE:		A B				er o		-		-		rop	ical										
			В	•	Mu	mbe	er o	ııy	pno	ons	O,	ııy.				PAN ncl		na	RYL	JKYU	IS /	AND		
Station: _	NA	HA-	OKI	NAW	A (	479	30)					_								ids)				
	JA	N	FE	В	MA	R	AF	R	MA	Y	JL	N	JL	JL	AL	JG	SI	P	O	T	NO	OV	DE	c
Within:	A	B	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	E
60 NM	0	0	0	0	0	0	2	2	0	0	3	3	6	4	8	4	7	6	4	4	4	3	1	
120NM	0	0	0	0	0	0	2	2	2	1	7	4	10	8	13	9	9	7	6	6	6	3	1	
240NM	0	0	0	0	0	0	2	2	6	3	13	9	19	10	26	21	21	20	9	8	8	6	1	
Station:			NI	IGA	TA	(47	573	)																
	JA		FE		MA	R	AF	PR	MA	Y	JL	IN	JL	JL	AL	JG	SI	EP	o	1:	NC	)V	)E	EC.
Within:	A	В	A		A	В	A	В	A	-B	A	В	A	В	A	В	A	В	A	В	A	В	A	E
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	4	3	1	1	0	0	0	
120NM	0	0	0	0		0	0	0	0	0	1	0	3	0	9	3		6	1	1	0	0	0	
240NM	0	0	0	0	0	0	0	0	2	0	5	4	5	3	21	9	17	14	5	3	0	0	0	
Station:_0	SAK	A (	477	71)						-														
	JA	M	FE		MA		AF	R	M	Y	JL	M	JL		AL	JG	SI	EP	α	T	K	OV	DE	EC
Within:	A	В	A	_	A.		A	В	A	B	A	В	A		A	В	A	В	A		A	B	A	_
60NM		0	0		0	0	0	0	1	0	3	2	1	0	7	2	5	4	2	0	0	0	0	
120NM	1	0	0	0	0	0	0	0	1 2	0	4 7	3 5	2	1	15 23	7 13	10 19	8 14	3	3	0	0	0	
240NM	U	U	0	U	U	U	U	U	2	U	1	5	0	4	23	13	19	14	0	3	U	U	0	
Station:	SE	NDA	I (	475	91)																			
		IN		В	M			PR	M	_	_	JN	JL			JG		P	O		N		D	
Within:	A	В	A	В	A		A		A	В	A	B	A		A	B	A	В	A	В	A	B	A	B
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	1	1	0	0	0	
		- 1	- 1	_	-	_	- 1	_	_	_	-							71	2	71	0	0	0	
120NM	0	0			0	0	1	0		0	1	0					9			1		0		
120NM 240NM	0				0			0		0	5	0 2			21		18	13	5	4	0	U	0	
	0	0	0	0		0	0											13		4		U	1	
240NM Station:	0 0 TA	OCHI	O KAN	O IA (	0 476	0 60)	0	0 PR	1 M	0	5 Jl	2 JN	5	2 JL	21		18 SI	13 P		4 T			DE	
240NM Station: Within:	0 0 TA	O CHI	0 KAM FI	O IA (	0 476 <b>M</b>	0 60)	O Al A	0 PR B	1 M	0 \Y B	5 Jl	2 JN B	5 JI A	JL B	21 AL	10 JG B	18 SI A	PB	5	4	O NC A	DV B	DE	C
240NM Station: Within: 60NM	0 0 TA	O CHI	O KAM FI A	0 IA ( B B	0 476 <b>M</b> <b>A</b> 0	0 60)	0 AF A	0 PR B 0	1 M	0 \Y B 0	5 Jl A 3	2 JN B	5 JI A	JL B	21 AL A 7	10 JG B 4	18 SI A 7	<b>P B</b> 5	5 <b>O</b> ( <b>A</b>	4 T	0 NC A 0	) 8 0	<b>DE A</b> 0	C B
240NM Station: Within: 60NM 120NM	0 0 TA	O CHI B O O	KAM FI A O	0 IA (	0 476 <b>M</b> <b>A</b> 0 0	0 60) AR B	0 Al A 0 0	0 PR B 0 0	1 MA 1 1	0 <b>Y</b> <b>B</b> 0 0	JI A 3 4	2 JN B 2 3	JI. A. 2 3	2 JL B 1 2	21 Al A 7 10	10 <b>B</b> 4 6	18 SI A 7 10	<b>P B</b> 5 8	5 A 1 2	4 B 1	0 <b>NC</b> <b>A</b> 0 0	) 8 0 0	<b>DE A</b> 0 0	EC B
240NM Station: Within: 60NM	0 0 TA	O CHI	O KAM FI A	0 IA (	0 476 <b>M</b> <b>A</b> 0	0 60)	0 Al A 0 0	0 PR B 0	1 M	0 \Y B 0	5 Jl A 3	2 JN B	JI. A. 2 3	2 JL B 1 2	21 AL A 7	10 <b>B</b> 4 6	18 SI A 7	<b>P B</b> 5 8	5 A 1 2	4 T	0 NC A 0	) 8 0	<b>DE A</b> 0	C
240NM Station: Within: 60NM 120NM	0 0 TA 0 0 0	O CHI B O O O	KAM FI A O	0 IA ( B B 0 0	0 476 <b>M</b> <b>A</b> 0 0 0	0 60) AR B	0 Al A 0 0	0 PR B 0 0	1 MA 1 1	0 <b>Y</b> <b>B</b> 0 0	JI A 3 4	2 JN B 2 3	JI. A. 2 3	2 JL B 1 2	21 Al A 7 10	10 <b>B</b> 4 6	18 SI A 7 10	<b>P B</b> 5 8	5 A 1 2	4 B 1	0 <b>NC</b> <b>A</b> 0 0	) 8 0 0	<b>DE A</b> 0 0	C
240NM  Station:  Within:  60NM 120NM 240NM Station:	0 0 TA 0 0 0	O CHI	0 KAh A 0 0 0 0	0 IA ( B B 0 0 0 0 1767	0 (476 A 0 0 0 0	0 660) AR B 0 0 0	Al 0 0 0 0	0 PR B 0 0	M/A 1 1 2	0  \Y  \B                   	JL 3 4 6	2 JN B 2 3 5	5 JL A 2 3 7	2 JL B 1 2 4	AL 7 10 26	10 B 4 6 15	18 A 7 10 19	P 5 8 15	5 A 1 2 12	4 B 1 1 9	0 A 0 0 2	0 2	<b>DE</b>	B
240NM Station: Within: 60NM 120NM 240NM Station:	0 0 TA 0 0 0 0	OCHI B O O OKYO	0 KAh 0 0 0 0	0 IA (	0 476 A 0 0 0 0	0 660) AR B 0 0 0	0 Al A 0 0	0 PR B 0 0	1 1 1 2 MM	0 <b>XY</b> <b>B</b> 0 0 0	JI A 3 4 6	2 JN B 2 3 5	5 A 2 3 7	2 B 1 2 4	AL 7 10 26	10 <b>B</b> 4 6 15	SI A 7 10 19	5 8 15	5 A 1 2 12	4 B 1 1 9	0 A 0 0 2	0 0 2 DV B	<b>DE A</b> 0 0 0	EC B
240NM Station: Within: 60NM 120NM 240NM Station: Within: 60NM	0 0 TA 0 0 0 0	O CHI	0 KAM	0 IA (	0 (476 A 0 0 0 0 71)	0 660 <b>NR</b> <b>B</b> 0 0 0	0 Ai A 0 0 0	0 PR B 0 0 0	1 A 1 1 2	0 (Y 8 0 0 0	JU A 3 4 6 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 JN B 2 3 5	JI A 2 3 7	2 JL B 1 2 4	AL 7 10 26 AL A 8	10 <b>B</b> 4 6 15 <b>JG</b> <b>B</b>	SI A 7 10 19 SI A 7	5 8 15	5 A 1 2 12	4 B 1 1 9	0 A 0 0 2	0 0 2 DV B · 0	DE A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	В
240NM  Station:  Within:  60NM 120NM 240NM Station:	0 0 TA 0 0 0 0 TO	OCHI B O O OKYO	0 KAh 0 0 0 0	0 IA (	0 476 A 0 0 0 0	0 660) AR B 0 0 0	A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 PR B 0 0	M/A 1 1 1 1 1	0 <b>XY</b> <b>B</b> 0 0 0	JI A 3 4 6	2 JN B 2 3 5	JI A 2 3 7 A 2 4	2 JL B 1 2 4	AL 7 10 26	10 <b>B</b> 4 6 15 <b>JG</b> <b>B</b>	SI A 7 10 19 SI A 7 10	5 8 15	5 A 1 2 12	4 B 1 1 9	0 A 0 0 2	0 0 2 DV B	<b>DE A</b> 0 0 0	B

	TE:						er o				_	nly.	JAP	AN	Sto			YUS	AN	D V	OLO	CANC	IS	SLAN
Station:	WA	KK/	ANA	I (	474	01)						_												
	JA	N	F	EB	MA	\R	A	PR	M	Y	JL	N	JL	IL	AL	JG	SI	EP	O	T	N	OV	D	C
Within:	-	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В		В	A	В	A	В
60 NM	0	0	0	0	0	0	0	0	0	0	0	,0	0	0	1	0	0	0	0	0	þ	0	0	0
120NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	þ	0	0	0
240NM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	5	0	7	0	0	0	þ	0	0	0
Station:	YO	(OT	A (	476	42)	5	SEE	PAG	E i	i F	OR	UPD	ATE	D C	CCU	RRE	NCE	S T	HRO	UGH	19	77.		
	JA	N	F	EB	M	AR	A	PR	M	Y	JL	JN	JL	IL	Al	JG	SI	EP	o	T	IN	OV	1	FC
Within:	A	В		8		В		B			_	В	A		_	В	_	В		В		В	A	В
60NM	0	0		0		0			1				2		7	4	7	5	1	1	þ	0	0	0
120NM	0	0	0	0	0	0	0	0	1	0	4	3	4	2	10	6	10	7	2	2	þ	0	0	0
240NM	0	0	0	0	0	0	0	0	2	0	6	5	7	4	27	14	19	15	12	9	ķ.	2	0	0
Station:																					_		<b></b>	l
	_	AN		EB		AR		PR	M		-	ИL		JL		JG		EP			_	OV		
Within:	^	В	A	B	A	8	A	В	A	В	A	В	A	В	<u> </u>	В	A	В	A	В	A	В	A	В
60NM 120NM 240NM																								
Station:			_																					
	J	AN	F	EB	M	AR	A	PR	M			N	J	-		JG		EP	O	CT	N	VC	D	EC
Within:	A	В	A	В	A	B	A	B	A	B	A	В	A	В	A	В	A	В	A	В	A	В	A	B
60NM 120NM 240NM					Transfer, States Constitution of																			
Station:_			_																				1	
	J	AN	F	EB	M	AR	A	PR	TM	AY	J	NU	J	JL	A	JG	SI	EP	O	T	N	VC	D	EC
Within:	A	-		B		-	A	B	-	B	A	_	-		A	-	A	_	A	_		В		В
60NM 120NM 240NM																							,	
Station:																								
	J	AN	T	EB	M	AR	A	PR	M	AY	J	NU	J	JL	A	UG	S	EP	O	CT	K		D	EC
	TA	B	A	B	A	B	A	B	A	В	A	В	A	B	A	В	A	В	A	В	A	В	A	B
Within:	1		_	_							1								1	1		1		1

### MALAYSIA

AA 11111111 .	1	+-	+~	+-	+~	-	1	-	-	_	-			-	-	-								-
Within:	Y	AN		EB B		AR		PR		AY B	_	JN B		JL B		JG B	SI		Ø A	B	NC A		DE	
Station:	_											_												
120NM 240NM																							,	
60NM																								
Within:		В	1	B	A	B	A	B	A	В	A	В	A	B	A	B	A	B	A	B	A	В	A	E
		AN		EB		AR		PR	M			Z		JL.	_	JG	_	P	00	_	NC		DE	
Station:_																								
240NM	0	0	٥	0	L	U	L	U	U	U	L	U	Ů	U	U	U	U	U	0	U	'	'	U	
120NM 240NM		-	1 -	-	1 -	-	-	-		^	1	-	_	_	_	-	^	_	^	-	-	~		
60NM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	_
Within:	H	B		B	M	AR B	A	PR	MA		J.	JK B	J	JL B		JG B	A	В	Ŏ.		NC A		DE	_
Station:																								_
		CTO	RIA	(9	646	5)					_													_
120NM 240NM	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
60NM		0	0		þ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Within:	A	В	A	_	A.	8	A		A	В	A	8	A	В	A	В	A	В	A		A		A	
	J	AN	F	EB	M	AR.	A	PR	M	AY.	JL	M	JL	JL	AL	JG	SI	EP	O	CT	K	VC	DE	
Station:	SAI	NDA	HAN	(9	649	1)																		
240NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Within: 60NM	0	<b>B</b>	0		0	0	0	0	0	- <b>B</b>	0	0	<b>A</b> 0	0	<b>A</b> 0	0	8	0	0	8	0	0	0	
		M		B	M			PR	M		_	N	JL		_	JG	_		O		NC	_	Œ	C
Station:	MI	KI	(90	449																				
	لت					٦				ب	ل	ات		لٹ	لــُــ								_	-
120NM 240NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
60 NM	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Within:	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	B
Jidilon	JA	N	FF	В	MA	R	Ai	PR	MA	V I	.11	IN	JL	11	Al	JG	SI	:P	O	T	INC	)V	DE	-
Station: _	MEI	AK	A (	486	65)																			
			٠		140	mbt	B1 0	,	Pile	,0113	· •	ııy.			M	ALA	YSI	Α						
			R		N		er o	1 T.	-	-	റ.	-1												

# MARIANA ISLANDS

· NO	TE		_											ical	Sto	orm	s.							
			В	••	Nu	mb	er o	f Ty	pho	ons	O	nly.		ARI	ANAS	S								
Station:	IGAN	NA,	GU/	AM	(9	121	2)																	
	JA	M	FE	В	M	NR	AF	R	M	Y	JL	N	J	JL	AL	JG	SI	EP	O	CT	INC	V	DE	C
Within:	A	В	A	B	A	В	A	В	A	В	A	В	A		A	В	A		A	-	A	В	A	
60 NM	1	0	0	0	0	0	3	1	0	0	2	1	4	2	4	3	6	1	6	11	6	4	7	,
120NM	2	0	1	1	1	0	2	2	0	0	3	,		3	1			-	1	1	1	'	9	1
240NM	3	0	1	;	i	0	5	5	4	4	6	3	6 11	5	1	4		5	11	3	9	6	-2	1
										-	0	3		3	10	12	23	10	20	14	116	10	7	5
Station:	AN	IDER	SEN	1, G	UAN	1	(912	218)	5	EE	PAG	E i	ii F	FOR	UPD	ATE	ED C	CCI	JRRI	ENCE		THRO		H
<del></del>	1/	M	<b>E</b>	В	NA	ND.	-	20	144	v		INI			AI	10	-	-	1			77.		_
Within:	A	В	A	В	M		A	PR B	M	B	A	N <sub>B</sub>	JL	_	A	JG '	A	EP B	X	B	A	V	K	_
60NM	1																			P			A	В
120NM		0	0	0	0	0	]	1	0	0	2	0	3	ון	4	3	6	1	6	1	6	4	2	1
240NM	2	0	1	1	!	0	2	2	0	0	3	1	7	3	7	4	13	5	11	3	9	6	2	1
240 NM	3	0		1	1	0	5	5	4	4	6	3	10	5	16	12	23	10	20	14	16	10	7	5
Station:_S	AIP	AN	IS	(91	232	2)																		
	J	AN	_	В		AR	A	PR	W	Y		Z	JL	JL	AL	JG	SI	EP	O	CT	K	VC	DE	С
Within:	A	B	A	В	A.	B	A	В	A	В	A	B	A	B	A	В	A	В	A	В	A	В	A	В
60NM	0	0	0	0	1	0	2	2	0	0	0	0	3	1	3	2	6	0	7	2	4	3	2	1
120NM	1	0	0	0	1	0	2	2	2	2	2	0	4	1	9	5	15	4	13	6	6	4	3	2
240NM	2	1	1	1	1	0	3	3	3	3	4		12	5			25	16	20	15	13	9	6	
	DA	CAN		<u></u>	100													10	20	1.0	10			_
Station:	PA	GAN	15	(9	122	(2)																		
	J	AN	FI	EB	M	AR	A	PR	M	AY	J	JN	JL	JL	AL	JG	SI	EP	O	CT	N	V	D	C
Within:	A	В	A	В	A	B	A	B	A	B	A	В	A	B	A	В	A	B	A	B	A	В	A	В
60NM	0	0	0	b	0	b	1	1	2	2	0	0	5	3	6	4	7	5	8	8	2	2	3	2
120NM	1	0	_	0	0	0	2	2	3	3	0	0	6		11			11	11	10	3		-	
240NM	1				1	-														1		3	3	2
2401411			0	_	1		-	_	3	3	2		12	/	17		21	14	16	16	0	5	5	3
Station:	TA	\GU0	С,	GUA	M	(912	217)																,	
		AN	F	EB	M	AR	TA	PR	M	Y	11	JN	L	JL	AL	JG	SI	EP	00	CT	N	V	DE	C
Within:	A			B	A		A	_	A	B	A	В	A	_	A	В	A	В	A	В		В	A	
60NM	1	0	0	b	0	0	1	1	0	0	1	0	1	2	4	3		,		,		,		,
120NM		1	1	1	1	0	2	2		_	2	7	1 7				6	-	6	1	6	4	2	,
240NM		0	1	,	1		5	2	0	0	3	1	1,	3	7	4		5	111	3	9	6	2	1
2.0.0	13	10	1	"_	<u></u>	0	13	5.	4	4	6	3	10	5	16	12	23	10	20	14	16	10	7	5
Station:	RO	TA	(91	111	1				_															
	J	AN		EB	_	AR		PR	M			Z		7		S		EP	O		×		DE	
Within:	A	B	A	B	A	В	A	B	A	В	A	В	A	В	A	B	A	B	A	B	A	В	A	В
60NM	1	0	0	0	0	1	2	2	0	0	1	0	1	0	3	1	6	1	6	1	5	. 3	2	1
120NM	1	0	1	1	1	1	2	2	0	0	3	0	6	3	8	6		2	13	3	9	6	1	,
240NM	3	0	1	1	1	1	4	4	4	4	6	1	11	6	1000		26	-				11	2	6
	_		_	-	-	_		-	-	-			-	_				112		1.1	11	11	0	0

## MARSHALL ISLANDS

NOTE: Number of Typhoons and Tropical Storms. B -- Number of Typhoons Only. **MARSHALLS** MAJURO (91376) Station: AUG FEB MAR APR MAY MUL JUL SEP JAN OCT NOV DEC AB A B A B B A B B B Within: A A A B A A B A B A B AB 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 60 NM 0 120NM 2 0 0 0 0 0 0 0 0 0 0 0 2 1 0 1 0 0 1 1 0 0 0 7 240NM 2 0 0 3 1 0 0 0 0 0 0 0 0 0 0 0 0 1 0 4 2 2 7 ENIWETOK (91250) Station: JAN FEB HUL MAR APR MAY AUG JUL SEP OCT NOV **JEC** Within: AB AB AB AB A B B A A A B A B A B A B AB 60NM 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 120NM 0 2 1 0 0 0 0 0 1 0 0 0 0 0 0 0 1 2 1 0 0 0 240 NM 2 1 0 0 0 2 1 5 3 3 0 0 3 1 0 0 1 0 0 0 1 3 JALUIT ATOLL (91369)Station: MUL JUL AUG SEP JAN FEB MAR APR MAY OCT NOV DEC AB B Within: A. B A B B A B AB A B B B A A A B AB 60NM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 0 120NM 1 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 2 2 0 240NM 2 0 0 3 1 0 0 0 0 0 0 1 0 0 0 0 0 1 0 3 2 1 KWAJALEIN (91366) Station: APR MUL JUL AUG SEP OCT NOV JAN FEB MAR MAY DEC AB A B AB A B AB A B A B A B A B B B A B Within: 0 0 0 60NM 0 1 0 0 0 0 0 1 0 0 0 1 0 1 0 1 0 2 1 120NM 1 0 0 2 0 0 0 0 0 0 2 1 1 0 0 0 0 1 0 2 1 1 1 **240NM** 2 3 0 0 0 0 0 0 0 0 1 0 0 0 2 0 1 0 4 2 3 2 UTIRIK (91258) Station:\_ FEB MUL JUL AUG SEP MAR APR MAY OCT NOV DEC AB A B A B A B A B A B AB B A B B Within: AB 60NM 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 120NM 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 1 240NM 2 0 0 0 0 0 0 0 0 0 0 0 2 1 2 1 WOTJE ATOLL (91371 Station: MUL JUL AUG SEP OCT NOV FEB MAR APR MAY DEC JAN B B A B A B A B B A B B A B A B A B A B Within: A 60NM 0

0 0 0 0 0 0

1 0 0

0 0 0

0 1 1

0 1

0 0

0 | 4

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0 0 0 0

120NM

240NM

0 0

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1 0 0

МО	TE						er o				_		гор		Sta									
Station: _	U	JEAI	NG	AT0	LL	(91	343	)_					,			ALL								
	14	N	FI	B	M	IR	A	PR	M	Y	IL	M	JL	IL	AL	JG	S	EP	O	T	IN	)V	DE	C
Within:	A	В	Á		A	_	A	B	A	_	A		A	_	A	В	A	B	A	_		B	A	
60 NM	1	1	0	0	0	0	0	0	0	0	0	0	1	0	7	0	7	1	0	0	0	0	3	2
120NM	1	1	0	0	1	1	0	0	0	0	0	0	2	0	i	0	1	1	2	0	0	0	3	2
240NM	2	2	0	0	3	1	0	0	1	1	0	0	2	0	2	7	4	1	2	0	1	0	4	3
Station:	لـــــ					-															_			
		M	-	EB				-			1 11	INI			T AI	10	-	-	1-					_
Within:	A		_	B	M	B		PR	M	B		JN		JL B		JG B		B	O		N	B	K	B
MMOO									_	-	-		<u> </u>		-		-	-		9	1	-	-	-
120NM 240NM																								
Station:							_	_																
	1	AN	F	EB	M	AR	A	PR	M	AY	I	N	JI	JL	AL	JG	S	EP	O	CT	N	VC	TO	C
Within:	A	_	-	B		B	_	B	A	_		В		B	A			В		B		_	-	В
60NM 120NM 240NM																								
Station:																								
	J	AN	F	EB	IM	AR	A	PR	M	AY	J	IN	J	JL	Al	JG	S	EP	O	CT	K	VC	D	C
Within:		B	A	B		B		B	A	B	A	B	A	B		B	A	В	A	B	A	В	A	
60NM 120NM 240NM																								
Station:																							1	
		AN	F	EB	IM	AR	A	PR	M	AY	J	אע	J	JL	A	JG	S	EP	O	CT	N	VC	D	C
Within:		B	A	B		B	A	B	A	B	A			B	A	B	A	B	A		A	B	A	B
60NM 120NM 240NM																							,	
Station:				_								_												
		AN	T	EB	IM	AR	TA	PR	TM	AY	I	NU	J	UL	A	JG	S	EP	O	CT	N	VC	D	C
Within:	A			B		_			A		A	В		В		B		B					A	
60NM 120NM 240NM																								

## MISC. ISLAND

NO	TE:		A B					-		ons			rop	ical	Ste	orm	S.							
Station:	MII	DWA'	ΥI	s (	910	66)													_			-		_
	JA	N	FF	В	MA	R	A	PR	M	Y	.11.	M	JL	JL	AL	JG	SI	P	O	T	INC	OV	DE	C
Within:	A	В	A	В	A	В	<b>A</b>	В	<b>A</b> 0	<b>B</b>	<b>A</b>	0	<b>A</b>	_	<b>A</b>	8	A	8	<b>A</b>	8		8	<b>A</b>	В
60 NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(
120NM 240NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	1
Station:	WA	KE	IS	(91	245	)	_					_		لــــا		-		_			_			_
3,0,10,11	14	N	E	В	144	0	_	00	1	v	11	אנ	- 11		ΔΙ	16	-	-			T			_
Within:	A	В	A	В	MA	B	A	PR	MA	B	A	B	A	JL B	A	JG B	A	В	X	B	A	DV B	A	C
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	T	Ť	0	Ü	Û	7
120NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	2	2	1	1	0	0	0	(
240 NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	. 2	2	2	3	2	0	0	0	
Station:	(C	ELE	BES	) N	1ENA	D0	(97	7014	1)															
	J	M	F	EB	MA	\R	A	PR	M	AY	JL	M	JL	JL	AL	JG	SI	EP	O	CT	N	VC	DI	C
Within:	<b>A</b>	В	A	_	A		A	-	A	В	A	В	A	_	A	В	A	В	A	В	1	-	A	B
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
120NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
240NM	0	0	0	0	0	0	0	0	L	0	0	0	0	0	0	0	0	0	0	0	0	0	U	
Station:	BU	TAR	ITA	RI	GIL	BEF			916	501)														
	-	B	_	EB	W	AR B		PR	M		JL A	JN B	JL A	UL	_	JG B	SI	B	O	B		VC	_	C
Within:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	В
60NM 120NM							1		1										1		1	0		(
240NM					0			1		1				1	0				0				1	
Station:	Ŀ		Ľ		I.	ب	_						L		_		_	_	_	_	_		+	_
	J	AN	F	EB	TM	AR	A	PR	IM	AY	J	JN	J	UL	A	JG	SI	EP	00	T	N	VC	OI	C
Within:	A	-	A	B	A	B		В	A		A	В	A		A	В	A		A	В		В	A	
60NM 120NM 240NM																							•	
Station:												_												
		AN		EB		AR	_	PR		AY		N		UL		JG		EP	Ø			VC	DI	
Within: 60NM 120NM 240NM		В	A	В	A	В	A	В	A	8	A	В	A	В	A	В	A	В	A	В	A	<b>B</b>	A	В

## **NORTH KOREA**

A -- Number of Typhoons and Tropical Storms.

B -- Number of Typhoons Only.

NOTE:

· NO	)TE:		_				er o	-	-				-	ical	Ste	orm	s.							
Station: U	ngg:	1 (	470	03)																				
Within:	JA	N <sub>B</sub>	FI	B	M A		A	R	M A	Y B	JL	ZB	J.	JL B	ALA	JG B	SI	EP B	00	B	NC	B	DE	_
60 NM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	0	0	0	0	0	0
120NM	- 1	0	0	0	0	0	0	0	0	0	0	0	1	0	3	1	0	0	0	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	0	0	1	0	4	1	7	2	3	2	0	0	0	0	0	0
Station: _W	ons	an	(47	055	)																			
	3/	IN		EB	M		A	PR	M	Y	J	N	J	JL	Al	JG	S	EP	o	CT	N	)V	Œ	C
Within:	A	B	A	B	A	B	<b>A</b>	B	<b>A</b>	B	A	B	A	В	A		A	В	A	В	A	В	A	В
60NM 120NM		0	0	0	0	0	0	0	0	0	0	0	3	1	4	2	0	0	0	0	0	0	0	0
240NM		0	0	0	0	0	0	0	1	0	2	1	8	1	9	2	2	2	0	0	0	0	0	0
Station:	<u> </u>		L				Ľ	ب			L		_			_	<u> </u>	_	Ů		Ľ		ات	
5.0.1.5				EB	1.4			-			-	IN	11			16	- C	-	Γ=		1		r ==	_
Within:	A	B		B		AR	A	B	MA		1	JN		UL B	A	JG B	SI		A	B	_	DV B	DE	
60NM																								
120NM 240NM																								
Station:			_			_																		
	J	AN	F	EB	IM	AR	A	PR	M	AY	J	JN	Ji	UL	AL	JG	SI	EP	O	CT	N	V	Di	C
Within:	A	В	A	В		В	A	В	A	В	A	В	A	В			A	В	A	В	A	В	A	
60NM																								
120NM	1																							
240NM	_		_	_																	Ш		-	
Station:	_		_					_	_		_													
NAME OF THE OWNER O	H	AN	-	EB	MA	AR	_	PR	M		_	N.		YL.		<b>S</b>	-	5	ŏ	_	×		DE	
Within: 60NM	-	-	1^	-	1	-	^		1	B	^	В	^	B	A	В	A	В	A	В	^	В	A	8
120NM																								
240NM																							,	
Station:									_		_	_												
	J	AN		EB		AR		PR	M			N		ŲL		JG		EP	O		K		D	
Within:	A	B	A	B	1	B	^	B	^	8	A	B	A	B	1	8	A	8	A	8	٨	B	A	B
60NM 120NM																								
240NM		1																						
	1					1																		

## NORTH VIETNAM

NOTE:

A -- Number of Typhoons and Tropical Storms.

B -- Number of Typhoons Only.

Station: Phu Lien (48826)

	JA	7	FI	В	*	NR.	A	PR	M	AY	J	JN	J	JL	A	JG	SI	EP	O	T	N	OV	DE	C
Within:	A	B	A	B	A	В	A	B	A	B	A	B	A	B	A	В	A	B	A	B	A	B	A	R
60 NM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3	0		0	0	0	0	0	0	0
120NM	0	0	0	0	0	0	0	0	0	0	1	1	2	0	7	1	4	0	1	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	1	0	3	2	6	3	12	3	14	8	7	2	1	0	0	0

Station: Gowtow (48834)

	JA	M	F	В	MA	\R	AF	PR	M	Y	JL	JN	JL	JL	A	JG	S	EP	O	T	N	VC	X	C
Within:	A	В	A	В	A	В	A	В	4	B	A	B	A	B	A	B	A	B	A	B	A	B	A	В
60NM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3	0	0	0	0	0	0	0	0	0
120NM	0	0	0	0	0	0	0	0	1	0	1	1	3	1	7	1	5	0	2	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	1	0	4	3	7	3	14	4	14	10	8	3	2	0	0	0
														-										

Station: Moncay (48838)

	JA	M	FI	В	MA	IR	AF	PR	M	Y	J	H	J	JL	AL	JG	S	EP	O	CT	K	VC	DI	C
Within:	<b>A</b>	B	A	B	V.	B	A	8		B			A	В	A	В	A	B	A	В	A	В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	1	0	1	0	3	0	0	0	0	0	0	0	0	0
120NM	0	0	0	0	0	0	0	0	0	0	1	1	2	2	6	1	3	1	1	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	0	0	4	3	6	3	11	4	14	9	8	3	2	0	0	0

Station: Norway Is (48827)

	JA	IN	FI	B	M	AR	AF	PR	M	AY	J	N	J	JL	AL	JG	SI	EP	ŏ	CT	K	VC	D	EC
Within:	A	В	A	В	A	B	A	В	4	В	A	В	A	В	A	В	A	В	A	B	A	B	A	B
60NM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0
120NM	0	0	0	0	0	0	0	0	1	0	1	1	2	1	8	1	4	0	2	1	0	0	0	0
240NM	0	0	0	0	0	0	0	0	2	0	4	3	7	3	12	4	14	10	8	3	1	0	0	0

Station: Langson (48830)

	JA	M	FI	EB	W	<b>AR</b>	AF	R	W	*	3	Z	JL	JL	AL	S	SEP	0	CT	K	VC	D	EC
Within:	<b>A</b>	В	<b>A</b>	В	A	B	A	B	A	В	A	В	A	B	A	B	AB	A	B	A	B	A	B
60NM	0	0	0	0	0	0	0	0	0	0	1	0	1	q	1	0	0 0	0	0	0	0	0	0
120NM	0	0	0	0	0	0	0	0	0		1	0	2	d	4	o	2 0	0	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	1	0	3	2	6	3	11	4	10 4	6	5	1	0	0	0

Station: Thain Guyen (48831)

	JAN		4 FE		BMA						AY JU													
Within:	^	B	A	B	A																		A	
60NM	0	0	0	0	0	0	0	0	0	a	0	0	0	0	0	.0	0	0	0	0	0	. 0	0	0
120NM	0	0	0	0	0	0	0	0	o	q	1	0	2	0	3	0	2	0	0	0	0	0	0	0
240NM	0	0	0	0	0	0	0		1		_				10					2	1	0	0	. 0

МО	TE:		A B				er o				_		rop	ical	Ste	orm	s.							
Station: H	Station: Hatins (48846)  JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC																							
							_				_					_					_			
Within:		В		8	A		A	-	<b>A</b>		A		<b>A</b>	B (	<b>A</b>	B	A		A	0	0	80	<b>A</b> 0	0
60 NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	6	2	5	2	0	0	0	0
120NM	- 1	0	0	0	0	0	0	0	0	0	0	0	3	0	7		II.	4	8	4	1	0	0	0
240NM	0	0	0	0	0	U	0	U	_	U	2		)		-	۰		4	Ů	4	_	Ů		
Station: Tien Tri (48///)																								
	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC															2								
Within:		B	A	В	A	8	A	B	A	-B	A	B	A	B	A	B	Ā	В	Ā	B	A	В	Ă	В
60NM		0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	1	4	0	0	0	0	0
120NM	-	0	0		0		0	0	0	0	1	0	2	0	6	1	7	2	5	2	1	0	0	0
240NM	0	0	0	0	0	0	0	0	2	1	2	1	3	1	11	3	174	4	8	3	1	0	0	0
Station: Cua Rao (188111)																								
	JA	IN	F	EB	M	AR	A	PR	M	AY	JL	N	JL	JL	AL	JG	SI	EP	O	CT	N	V	DE	C
Within:		В	A	В	A.		A	B	A	В	A	В	A		A	В	A	В	A		A	В	A	В
60NM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
120NM		0	0	0	0	0	0	0	0	0	0	0	1	0	3	0	3	1	2	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	0	0	2	0	2	0	9	1	10	2	5	2	1	0	0	0
Station:																								
	J	AN	F	EB	IM	AR	A	PR	M	AY	J	M	J	JL	AL	JG	SI	EP	To	CT	N	V	Di	C
Within:	A	B	A	B		B	A	B	A	B	A	В	A	B	A	B	A	B	A	B	A	В	A	В
60NM					1																			
120NM																							-	
240NM																								
Station:_	_	_	_	_	_				_									L					7	
	J	AN	F	EB	M	AR	A	PR	IM	AY	J	N	J	JL	A	JG	SI	EP	O	CT	N	V	DE	C
Within:	A			B			A		A		A	В	A		A	B	A	B	A	B	A		A	B
60NM					1																			
120NM		1			1	1.		1																
240NM		1			1																		,	
Station:	_		_					<u></u>				_			_			_						
	L	AN	TF	EB	IM	AR	IA	PR	M	AY	JI	JN	J	UL	A	JG	SI	EP	O	CT	N	VI	DE	c
Within:				B		-	A			B	-	B		B		В		B		В				В
60NM			T																					
120NM			1		1									1									i	
240NM		1	1		1				1															
		1	_																					

## **PHILIPPINES**

· NO	TE:		A B				er o		•		_	-			St.		s.							
Station:	BAG	GUIC	) (	983	28)																			
	60 NM 0 0 0 0 0 0 1 1 1 1 1 1 1 0 2 1 0 0 4 2 7 5 0 120 NM 0 0 0 0 0 0 4 4 3 2 4 2 9 5 7 3 8 4 10 7 10 8 2 2 40 NM 1 0 0 0 0 0 5 5 6 5 10 7 16 9 16 10 19 13 18 13 18 14 10															_								
Within:	Hin:  A B A B A B A B A B B B B B B B B B B																							
	60 NM 0 0 0 0 0 0 1 1 1 1 1 1 1 0 2 1 0 0 4 2 7 5 0 120 NM 0 0 0 0 0 0 4 4 3 2 4 2 9 5 7 3 8 4 10 7 10 8 2 2 40 NM 1 0 0 0 0 0 5 5 6 5 10 7 16 9 16 10 19 13 18 13 18 14 10 5 16 10 19 13 18 13 18 14 10 5 16 10 19 13 18 13 18 14 10 5 16 10 19 13 18 13 18 14 10 5 16 10 19 13 18 13 18 14 10 5 16 10 19 13 18 13 18 14 10 5 16 10 19 13 18 13 18 14 10 5 16 16 16 16 16 16 16 16 16 16 16 16 16															0								
	120NM 0 0 0 0 0 0 4 4 3 2 4 2 9 5 7 3 8 4 10 7 10 8 2 3 4 4 10 7 10 8 2 3 4 4 10 7 10 8 2 3 4 5 10 7 16 9 16 10 19 13 18 13 18 14 10 3															9								
Station:	240NM 1 0 0 0 0 5 5 6 5 10 7 16 9 16 10 19 13 18 13 18 14 10  Station: CLARK AFB (98327) SEE PAGE 11 FOR UPDATED OCCURRENCES THROUGH 1977.  JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC																							
	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DECEMBER:  A B A B A B A B A B A B A B A B A B A															·C								
Within:	CLARK AFB (98327)   SEE PAGE 11 FOR UPDATED OCCURRENCES THROUGH 1977.   JAN   FEB   MAR   APR   MAY   JUN   JUL   AUG   SEP   OCT   NOV   DECEMBER															В								
							1															1	1	1
120NM 240NM	0	0	0	0	0 0	0	3 5	3	3 5	2	8	7	11	6	3 13	7	2 14	9	9 17	6 12	9	13	10	9
Station:	CU	BI	POI	NT	(98	426	)																	
	J	AN		В	M		A		M		-	ИL	-	JL	_	JG	_	EP	O		N	VC	D	C
Within:	A .	B	A		A.		A	B	A	B	A	_	A	В	A	B	A	B	A	B	A	B	A	В
60NM 120NM	0	0	0	0	0	0	3	3	2	1 2	2	2 2	3	1 2	1 4	0	2	0	3	5	10	8	1	4
240NM		0	0	0	0	0	4	4	5	3	6		11	6	12		12				17		11	
Station:	SA	NGL	ΕY	PT	(98	428	)		_												-			
	J	AN	F	EB	M	<b>AR</b>	A	PR	M	AY	J	JN	J	JL	AL	JG	SI	EP	O	CT	N	OV	D	EC
Within:	A	В	A	В	A		A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В
60NM	0	0	0	0	0	0	1	1	1	1	2	2	2	1	1	0	2	0	5	2	1	1	2	2
120NM	0	0	0	0	0	0	2	2	2	1	2	2	4	2	4	1	2	0	8	5	7	4	5	5
240NM		O NIL/	0		25)	0	4	4	6	3	5	4	10	5	9	6	11	6	17	63	20	13	11	10
Station:						_		_	_									_	1					_
Within:	×	AN	A	B	MA	AR	A	PR	M	B	) A	JH	시	JL B	AL	JG B	SI	В	O(	B	K	B	DI	C B
60NM	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	0	2	,0	5	,1	2	1	1	1
120NM		0	0	0	0	0	2	2	2	1	2	2	4	2	4	1	2	0	9	7	9	7	6	6
240NM	1	0	0	0	1	1	4	4	7	3	7	5	12	6	13	7	11.	6	18	13	22	16	11	9
Station:	MA	CTAI	V (	986								_					h							
	1	AN		EB		AR		PR	M		_	N	_	1		JG		P	O		×		DE	
Within:	0	0	1	0	0	B	0	B	7	_	0	0	A	B	A	B	A	B	A	B	7		A .	В
60NM 120NM		0	1	0	0	0	1	0		0	_	1	0	0	0	0	0	0	0	0	7	. 5	1	1
120NM 240NM		0	i	1	1	0	3	2	3 6	3	3	2	3	3	3	1	3	0	7	4	14	6	10	10

· NO	TE		A B				er o		-		_				Ste		<b>s</b> .							
Station:	ZAN	1B0/	ANG	A (	988	36)				_		_	РН	ILI	PPI	NES								
	-	Й	FE		M			PR	M	-		M	_	JL	_	JG	_	EP	O	-	-	VC	DE	_
Within: 60 NM	0	0	0	8	0		0	BO	0	0	0	8 0	0	0	0	0	0	0	0	0	0	0	0	0
120NM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240NM	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	5	1	2	2
Station:	RE	JAH	BU	AYA	N (	988	51)						_		_							_		_
	16	N	FI	EB	M	10	Δ	PR	M	NV.	111	JN	JL		A	UG	S	ED	o	CT	Tax	OV		~
Within:	A	B	A	B	A	В	Ā	В	A	B	Ä		7	B	A	B	A	B	X		A	B	K A	
0011111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120NM			0	0	0	0	0	0	0	0	0	0	Ò	0	0	0	0	0	0	0	0	0	0	0
240 NM		1	1	1	0	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	6	1	1	1
Station:	HIN	IATU	JAN	(9	875	5)						_												
	J	AN	FI	EB		AR	A	PR	M	_	_	JN	_	IJL	_	JG	S	EP	O			VC	DE	C
Within:	^	B	_	B	A		^	В	A	В		B	A	B	^		A		A			В	A	В
60NM 120NM		0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	3	1	1	1
240NM	_	1	2	i	0	0	3	3	2	0	;	1	0 2	0	0	0	0	0	0	0	6	5	1	6
Station:	PUE	RTO	) PI	RIN	CES	A (	986	18)	<u> </u>			_			L		_		_		Ľ		ت	_
		AN	E	EB	TM	AR	TA	PR	IM	AY		JN	T 11	UL	I	UG	1	EP	To	CT	I N	OV	7	EC
Within:	A	_		B		B	A		A	_	A		Ā		A		A		Ā		Ā		A	В
60NM	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	2	1	1
120NM		0		0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	5	2	3	i
240NM	1	0	1	0	0	0	1	1	2	2	1	1	0	0	1	0	0	0	3	2	9	5	6	5
Station:	_										-	. Open			-		Y	r	James,					
	L	AN	_	EB		AR		PR		AY		NU		UL	A	UG	S	EP	O	ÇT		VC	DI	C
Within:	A	B	1	B	A	B	A	B	1	B	A	B	A	B	A	8	A	B	A	B	A	В	A	
60NM 120NM 240NM																							•	
Station:																								
	L	AN		EB		AR		PR		AY		N		UL		UG	S	EP	O	CT	K	YC	D	
Within: 60NM 120NM 240NM		В	^	8	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	<b>B</b>	<b>A</b>	В

REPUBLIC OF KOREA

NO	TE:		A B						-				гор	ical	Ste	orm	s.							
Station:	Ch	ang	gai	Ga	ıp (1	471	39	)				_												
Within:	JA	B Number of Typhoons Only.  Changgal Gap (47139)  JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DO O O O O O O O O O O O O O O O O O															DE	СВ						
60 NM	-	_	-	-		_		_		-						-		-					0	0
120NM						- 1		- 1		- 1						1000						d	0	0
240NM	0	1		1												-						o	q	(
Station:	Ch	eju	(4	718	14)																		_	
	JA	N	FE		MA	R	AF	PR	M	Y	JL	JN	JL	JL	AL	JG	SI	EP	o	T	NO	V	Œ	C
Within:	A												A	В	A		A	В	_	_			A	В
60NM	0	1	1	- 1	1	- 1															0	0	a	C
120NM	-	- 1		1		1											1					0	a	C
240 NM							0	0	2	1	5	4	20	11	18	8	5	4	1	1	0	0	9	C
Station:	Ch	inh	ae	(47	7157	)																		
		_	_			_			_						_				_				DE	
Within:			-			_		_			_												0	0
60NM 120NM						- 1	1														1		0	0
240NM						1																	0	0
Station:	Ch	nong	ong	N:	1 (4	710	02)					_							ш		Ш		Ш	
			FE					20				JN	T	JL	-	<u></u>	-	-0	~	-				-
Within:	A	B	A		MA	B	A	PR B	M	B	A		A	B	A	JG B	A	В	OX A	B	N/A	B	DE	В
60NM	0	0	0	0	0	0	0	0	0	0	0	0	4	1	4	1	0	0	0	0	0	0	0	0
120NM	0	0		0	1	0				0	0	0	5	1	7	2	0	0	0	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	1	0	3	2	11	2	10	2	2	2	0	0	0	0	0	0
Station:	Cl	non;	ju	(47	146)																			
	J	AN	FI	В	MA	R	A	PR	M	Y	JI	JN	L	JL	AL	JG	SE	P	O	T	NC	V	DE	c
Within:	A	В	٨			B	A		A	В	٨		A		A 1	B	A	B	A	B	A	_	A	В
60NM		0	0	0	1	. 0		0	0	0	1	1	4	1	5	2	0	0	0	0	0	0	0	0
120NM	1				1 1	0		0	1	0	1	1	7	2	7	2	1	1	0	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	1	0	4	4	17	8	13	4	5	3	1	1	0	0	0	0
Station:	Cl	hun	cho	1 (	4710	7十)		)												7				
		AN		В	MA			PR	M		_	JN		JL		JG		P	O		NC		DE	
Within:	A	B	A	B	^	B	A	B	0	0	0	0	3	B 1	6	2	0	0	A 0	B	0	B . O	0	0
60NM		1	1.3			0	0	0	0	0	1	0	4	1	7	2	00	0	0	0	0	0	.0	0
120NM 240NM			1		1	0	0	0	1	0	3		13		10	2	1	1	0	0	0	0	0	0
24UNM	1	1	1		1 9	-	0		-	0	,	-		-										

NC	)TE	:		 					rpho				rop	ica	i St	orm	<b>s</b> .							
Station:	Chur	oung	ay c	ong		(1	713	35)																
	JA	N	FE	В	MA	R	AP	R	MA	Y	JU	N	JL	JL	AL	JG	SI	P	OX	T	IN	OV	DE	c
Within:	A	В	A	B	A	В	A	8	A	В	-	В	A	B	A	В	A	_	A	-	A	B	A	
60 NM	0	0	0	0	0	0	0	0	0	0	1	1	4	1	4	2	0	0	0	0	0	0	0	(
120NM	0	0	0	0	0	0	0	0	1	0	1	1	5	1	7	2	2	2	0	0	0	NO	0	0
240NM	0	0	0	0	0	0	0	0	1	0	4	3	16	6	13	3	6	3		1	0		0	(
Station:	_ 1	Ноег	ngs	ung	(4	711	18)					_	_		_	_			_		_	_	-	_
	-	M		В	MA		AF	PR	MA	Y	JU	N	JU	IL	AL	JG	Si	EP	o	1	N	VC	K	C
Within:	A	8	A	В	A	В	A	B	A	В	-	В	A	В	A	В	A	В	-	B	A	В	A	8
60 NM	0	0	0	0	0	0	0	0	0	0	0	0	3	1.	5	2	0	0	0	0	0	0	0	C
120NM	0	0	0	0	0	0	0	0	0	0	1	1	6	1	7	2	0	0	0	0	0	0	0	0
240 NM	0	0	0	0	0	0	0	0	1	0	4	3	14	4	11	2	4	3	0	0	0	0	0	C
Station:		Inch	on	(47	7112	)																		
	-	AN		В	MA		AF		MA		JU	-	JL		-	JG	-	P	o		-	VC	D	C
Within:	A	В	A			8	A	8	A	В		B	A		A	8	A	В	A	В	A	В	A	E
60NM	0	0	0	0	0	0	0	0	0	0	0	0	4	1		1	0	0	0	0	0		0	(
120NM	0	0	0	0	0	0	0	0	0	0	0	0	5	1	8	2	0	0	0	0	0	0	0	(
						1	-					- 1								-	-		-	
240NM	0	0	0	0	0	0	0	0	1	0	3	2	12	2	10	2	2	2	0	0	C		0	C
240NM Station:	_				0 (47			0	1	0	3	2	12	2	10	2	2	2	0					C
		Kan	gnu	ng B	(47 MA	107		PR	1 MA	Y	JU	N	JL	JL		JG	SE	P	0	O	C		0	_
		Kan	gnu	ng B	(47	107	")				JU									0	C	0	0	C
Station:		Kan	gnu	ng B	(47 MA	107	AF	PR	MA	Y	JU	N	JL	JL	AL	JG	SE	P	OC	O	N	0	O	C
Station:	J/A	Kan	FI	ng B	(47 MA	107 R B	AF A	PR	MA	Y	JU	N B	JL A	JL B	AL	JG B	SEA	P	OC A	O T B	NK A	OV B	O Di A	B
Station: Within:	J/A	Kan B O	FE A	ng B B	(47 MA 0	107 R B	AF A	PR B O	MA A	Y 8 0	JU A	N B O	JL A 2	JL B	AL 3 7	JG B	SE A	<b>P B</b> 0	0	O T B	NK A	0 B 0	0 <b>Di</b> <b>A</b>	B
Station: Within: 60NM 120NM	J/A 0 0 0	Kang B O O	FE A O O O	B B O	(47 MA A O O	107 R B 0 0	AF A 0 0 0	PR B 0 0 0	<b>MA</b> 0 0	Y B 0 0	JU A 0 2 4	N B 0 1 3	JL 2 4 13	JL B 1	Al 3 7 11	JG B 1 2 2	SE A 0 1 5	P B 0 1 3	0 0 0 1	O O O O O O O O	N A 0 0 0	DV B 0 0 0	O DA O O	B
Station: Within: 60NM 120NM 240NM Station:	0 0 0	Kany B O O Cuns	FE A O O O O	B B O O (47	(47 MA 0 0 0 0 7141 MA	107 R B 0 0 0	AF O O O SEE	PA PA	MA  O O O I	0 0 0 0	JU A O 2 4	N B 0 1 3	JU 2 4 13	B 1 1 4 ED	AL 3 7 11 0000	JG B 1 2 2	SE A O 1 5 ENCI	EP 0 1 3	0 0 0 1	0 0 0 1 DOUGHETT	<b>N</b> • 0 0 0	DV B 0 0 0 0 9777	O DA O O	B
Station: Within: 60NM 120NM 240NM Station:	J/ A 0 0 0 0	Kany B 0 0	FI A O O O O	B B O O (47	(47 MA 0 0 0 7141 MA	107 <b>R B</b> 0 0 0	AFA O O O O AFA A A A A A A A A	PA B	MA O O 1	0 0 0 0	JU A O 2 4 FOR	N B 0 1 3 UPI	JL 2 4 13	B 1 1 4 ED	AL A 3 7 11 ∞cc	JG B 1 2 2	SE A O 1 5 SEENCE	P B 0 1 3 P B	OX O O 1	O B O O 1 DUGGET B	0 0 0 0	DV B 0 0 0 0 9777 DV B	O DE A	B
Station: Within: 60NM 120NM 240NM Station: Within: 60NM	J/A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Kany B O O Cuns	FE A O O O O	B B O O (47	(47 MA 0 0 0 0 7141 MA	107 R B 0 0 0	AF O O O SEE	PA PA	MA 0 0 1 GE i	0 0 0 0	JU A O 2 4 FOR	N B 0 1 3	JU 2 4 13	B 1 1 4 ED	AL 3 7 11 0000	JG B 1 2 2	SE A O 1 5 ENCI	EP 0 1 3	0 0 0 1	0 0 0 1 DOUGHETT	0 0 0 0	DV B 0 0 0 0 9777	DI A O O O	B
Station: Within: 60NM 120NM 240NM Station: Within: 60NM 120NM	JA 0 0 0	Kang B O O Cuns	FI A O O O O O O	B 0 0 0 (4)	(47 MA 0 0 0 7141 MA	107 R B 0 0	AFA O O O O AFA A A A A A A A A	PA B	MA 0 0 1 GE 1 MA A 0	0 0 0 0	JU A 0 2 4 4 FOR JU A 0 1	N B 0 1 3 UPI	JIL 2 4 13 DATE JIL 3 8	1 1 1 1 ED IL B 1 2	AL A 5 7	JG B 1 2 2 URRI JG B 1 2	SE A O 1 5 SEENCE	P B 0 1 3 P B	OX O O 1	O B O O 1 DUGGET B	0 0 0 0	DV B 0 0 0 0 9777 DV B	O DE A	B
Station: Within: 60NM 120NM 240NM Station: Within: 60NM	JA 0 0 0	Kang B 0 0 0 Kuns AN B	FI A O O O	ng B B O O O (47)	(47 MA 0 0 0 0 7141 MA A	107 R B O O O	AFA O	PA 0 0 0 PA 0 0	MA 0 0 1 MA 0 1	0 0 0 0 11 I	JU A 0 2 4 4 FOR JU A 0 1	N B 0 1 3 UPPE	JL 2 4 13 DATE	1 1 1 1 ED IL B 1 2	AL A 5	JG B 1 2 2 URRI	SE A O	EP 0 1 3 ES P B 0	0 0 1 TTHRO	0 0 1 DUGI	0 0 0 0 H 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DI A O O O O	EC
Station: Within: 60NM 120NM 240NM Station: Within: 60NM 120NM	J/A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Kang B O O Kuns AN B	FE A O O O O O	B 0 0 0 (47)	(47 MA 0 0 0 7141 MA A	107 8 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1	AF 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PA B O O O	MA 0 0 1 MA 0 1	0 0 0 0 11 1 <b>Y B</b> 0 0	JU A 0 2 4 4 FOR JU A 0 1	N B 0 1 3 UPI	JIL 2 4 13 DATE JIL 3 8	1 1 1 1 ED IL B 1 2	AL A 5 7	JG B 1 2 2 URRI JG B 1 2	SE A O O O	P B 0 1 3 P B 0 0	0 0 0 1 TTHRC	0 0 1 DUGI	0 0 0 0 H 1	0 0 0 0 9777 <b>B</b> 0 0 0	Di A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )
Station: Within: 60NM 120NM 240NM Station: 60NM 120NM 240NM Station:	J. A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Kany B 0 0 Kuns AN B 0 0	FI A O O O O O O O O O O O O O O O O O O	B B O O (47)	(47 MA 0 0 0 7141 MA 0 0 0	107 R B 0 0 0 0	AF A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PA B O O O	MA 0 0 1 1 1	Y B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JU A O 2 L FOR JU A O 1 L L	N B O 1 3 UPPE	JL 2 4 13 A 3 8 18	IL B 1 L 2 9	AL 3 7 11 0000 AL A 5 7 11	JG B 1 2 2 URRI JG B 1 2 2	SE A 0 1 5 SEENCE SEENCE SEE	P B 0 1 3 P B 0 0 3	0 0 0 1 1 TTHRC	0 0 1 DUGIET B 0 0 0 0 0	NX 0 0 0 NX 0 0	DV B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DE DE	EC B
Station: Within: 60NM 120NM 240NM Station: Within: 60NM 120NM 240NM Station: Within:		Kany B O O Kuns AN B O O O Kwar	FI A O O O O O O O O O O O O O O O O O O	B B O O O O O O O O O O O O O O O O O O	(47 MA 0 0 0 7141 MA A 0 0 0 0	107 R B 0 0 0	AF A 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PA B O O O O O O O O O O O O O O O O O O	MAA O O I I I	Y B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JU A 0 2 4 4 FOR JU A 1 4	N B O 1 3 UPI	JI 2 4 13 DATI JI A 18	IL B 1 2 9 IL B	AL 3 7 11 00000 AL A 5 7 11 AL A	JG B 1 2 2 URRI 2 2 JG B	SE A O O O U	P B 0 0 3	0 0 0 1 THRO 0 0 0	0 0 1 DUGIE	NX A O O O O	DV B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	O DE A O O O O	EC B
Station: Within: 60NM 120NM 240NM Station: Within: 60NM 120NM 240NM Station: Within: 60NM	JA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Kange B O O O O O O O O O O O O O O O O O O	FI A O O O O O O O O O O O O O O O O O O	B B O O O O O O O O O O O O O O O O O O	(47 MA 0 0 0 7141 MA A 0 0 0	107 R B 0 0 0 1706 R B 0	7) AF A 0 0 0 0 SEE A 0 0 0 0 AF A 0 0 0 0 666)	PA B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	MA 0 0 1 1 1 MA A 0 0	Y B O O O O O	JU A 0 2 4 4 FOR JU A 0 1 4 0	N B O 1 3 UPI	JL 2 4 13 3 8 18 18	IL B 1 2 9 IL B 1	AL 3 7 11 00000 AL A 5 7 11 AL A 6	JG B 1 2 2 JG B 1 2 2 2 JG B 2	SE A O O U	P B 0 0 3 P B 0 0	OX	0 0 1 DUGG	NX 0 0 0 0 NX 0 0	O   O   O   O   O   O   O   O   O   O	DE DE	C B
Station: Within: 60NM 120NM 240NM Station: Within: 60NM 120NM 240NM Station: Within:	JA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Kange B O O O O O O O O O O O O O O O O O O	FI A O O O O O O O O O O O O O O O O O O	B B O O O O O O O O O O O O O O O O O O	(47 MA 0 0 0 7141 MA A 0 0 0 0	107 R B 0 0 0	AF A 0 0 0 0 0 0 0 0 0 0 0 0 0 0	PA B O O O O O O O O O O O O O O O O O O	MA 0 0 1 1 1 MA A 0 0	Y B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	JU A 0 2 4 4 FOR JU A 1 4	N B O 1 3 UPI	JI 2 4 13 DATI JI A 18	IL B 1 2 9 IL B	AL 3 7 11 00000 AL A 5 7 11 AL A	JG B 1 2 2 URRI 2 2 JG B	SE A O O O U	P B 0 0 3	0 0 0 1 THRO 0 0 0	0 0 1 DUGIE	NX A O O O O	DV B 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DE A	EC 8

МО	TE:							_	•		-		ropi	ical	Ste	orm	s.							
Station: .	P,	yon	gta	ek	(4	712	7)					_												
	-	B Number of Typhoons Only.  Pyongtaek (1/7127)  JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV   A B A B A B A B A B A B A B A B A B A														DE	_							
Within:	A	B Number of Typhoons Only.  Pyongtaek (1/7127)  JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV   A B A B A B A B A B A B A B A B A B A														-	B							
60 NM	0			1					1												1		0	0
120NM 240NM	0	1				1			1	1												1	0	0
			ل				0	<u> </u>		٥	4		1)		10							اً_	1	_
Station:	S	ach			161		_																	
	_										_		-									_	Œ	
Within: 60NM	0						_														_		0	B
120NM	0																					- 1	0	0
240NM																							0	
2401141						ت	0	U	2	1	>	4	10	0	19		9	0	2	1	0	U	9	0
Station:	S	<del>eou</del>	1 (	471	.10)																			
		_							_		_		_			_			_		_			_
Within:	^	-			_						_		_				_	_	_		-	_	_	B
60NM 120NM															8						1	1	0	0
240NM					1								1					1					0	0
24011111	<u> </u>						لــا	_		_												<u> </u>		_
Station:							_		_		_	_												
	_	_					-						-	-							-	_	DE	<u>С</u> В
Within:		-																						
60NM 120NM	0			1000	-			_									_				- 1		0	0
240NM	1				,																	- 1	0	0
								_			_	_					Ľ					1	7	_
Station:													- -		1 41		-	-						_
Within:									_	_	_		-		_			_	4			_	DE	B
60NM	0	1			1			_	-				_				_		0		_	_	0	0
120NM		0	0	0	0	o	0	0	1	0	2	1		1	6	2	2		0	0	0	d	0	0
240NM		0	0	0	0	0	0	0	1	0	4	4		6		4	9	5	1	1	0	q	.0	0
Station:	1	ae j	on	(47	132	2)	_					_												
		B Number of Typhoons Only.														DEC								
Within:	-	B	A	_	A	B		B	A	В	A	B			A	В	A		A	В		B		B
	LA			_														ALC: UNKNOWN						
60NM	0	0	0	0	0	0	0	0	0	0	1	1	4	1	4	2	0	0	0	0	0	d	d	0
60NM 120NM	1	+	0	_	1	0	000	0 0	0 1 1	0 0 0	1 1 4	1 1 3	5	1 6	6	2 2	0 1 6	0 1 3	0 0 1	0	0 0	000	99	000

· NO	TE:		A B				er o	-	-				ropi	cal	Sto	orm	<b>s</b> .							
Station: _		Tor	ngd	uch	on (	478	12A	1)	_			_												
	JA	N	FE	В	MA	R	AF	R	M	Y	JL	N	J	IL	AL	JG	SE	P	O	T	NO	V	DE	C
Within:	A	B	A	B	A	В	A	В	A	В	A	В	A	B	A	B	A	В	A	В	A	В	A	В
60 NM	0	0	0	0	0	0	0	0	0	0	0	0	4	1	5	1	0	0	0	0	0	0	0	0
120NM	0	0	0	0	0	o	0	0	0	0	0	0	4	1	7	2	0	0	0	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	1	0	3	2	12	3	10	2	2	2	0	0	0	0	0	0
Station:	T	ong	go-	Ri	(47	811	A)					_									II			
	34	M	FE	В	MA	R	AF	PR	M	Y	JL	N	JL	IL	AL	JG	SI	P	o	T	NO	V	X	
Within:	A	B	A	B	A	В	A	B	A	B	A	В	A	В	A	В	A	В	5	В	A	В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	0	0	4	1	4	1	0	0	0	0	0	0	0	0
120NM	0	0	0	0	0	0	0	0	0	0	0	0	5	1	8	2	0	0	0	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	1	0	3	2	11	2	10	2	2	2	0	0	0	0	0	0
Station:	U	ijo	ngb	u (	471	06)																		
	J	AN	FE	В	MA	IR	AF	R	W	Y	JL	N	JL	JL	AL	JG	SE	P	O	T	NO	V	DE	C
Within:	A		A	B	A.		A	B	A	B	A		A	_	A	B	A	В	A	В	A	В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	0	0	3	1	5	1	0	0	0	0	0	0	0	0
120NM	0	0	0	0	0	0	0	0	0	0	0	0	4	1	8	2	0	0	0	0	0	0	0	0
240NM	0	0	0	0	0	0	0	0	1	0	3	2	11	2	10	2	3	2	0	0	0	0	0	0
Station:	0	nlu								_														
		AN		EB	M			PR	M			M		T		S		Ы	Ŏ		8		DE	
Within:	A	8	A	_	^	B	A	B	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	3	0	1	0	1	0	2	2	0	0	0	9	0	0
120NM	0	0	0	0	0	0	0	0	0	0	3	1	3	1	5	1	4		0	0	0	- 1	-	0
240NM	0	0	0	0	0	0	0	0	1	0	5	3	11	4	15	5	10	5	1	1	0	d	0	0
Station:		Пав	n	().7)	52)		_		_														1	
	L	AN	F	EB	M	\R	A	PR	M	Y	J	N	L		AL	JG	SE	P	O	T	100	V	DE	C
Within:	A	B	^	B	<b>V</b>	B	A	B	<b>V</b>	B	^	_	A		٨	B	A	B	A	B	_	В	A	B
60NM	0	0	0	0	0	0	0	0	1	0	2	1	5	1	3	1	5	2	0	0	q	9	0	0
120NM	0	0	0	0	0	.0		0	1	0	4		8	3	4	1	4	3	0	q	9	9	0	0
240NM		0	0	0	0	0	0	0	2	1	7	5	15	6	20	7	9	6	5	1	0	d	Ó	0
Station:		losu	(1	1710	58)		<u></u>	<u></u>	_													_	_	
	Ti	AN	F	EB	M	AR	A	PR	M	YA	JL	JN	IL.	JL	A	JG	SI	EP	O	T	NO	VI	DE	C
Within:	A	B	A	B	A	B	A	B	A	В	A	B	A	B	A	B	A	B	4	В		В	A	B
60NM	0	0	0	0	0	0	_	0	1	0	1	1	3	1	2	1	1	1	0	0	q	· d	0	0
120NM			0	1	1 -					0	3	2	6	2	7	2	2	2	0	0	0	d	0	0
240NM			0	0		0				1	5		16	8	16	6		6	1	1	O	d	0	0
24014																								

# REPUBLIC OF VIETNAM

0 0 1 0 1

240NM

0 0 0

0 1

3 10

3 1

0 0

9 7 3

NOTE:

A -- Number of Typhoons and Tropical Storms.

B -- Number of Typhoons Only.

Station: Quang Ngai (48863)

11	MAL		EB	M	AR	A	PR	M	AY	JL	N	JL	JL	AL	JG	SI	EP	O	CT	NO	V	DE	EC
A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В	A	В
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	5	3	0	0	0	0
0	0	0	0	0	0	0	0	1	1	0	0	1	1	3	0	4	1	5	3	1	1	1	0
0	0	0	0	0	0	0	0	2	2	1	1	2	1	8	5	11	6	12	6	9	7	4	2
	0	0 0	A B A 0 0 0 0 0	A         B         A         B           O         O         O         O           O         O         O         O	A         B         A         B         A           O         O         O         O         O           O         O         O         O         O	A         B         A         B         A         B           O         O         O         O         O         O           O         O         O         O         O         O	A         B         A         B         A         B         A           O         O         O         O         O         O         O           O         O         O         O         O         O         O	A         B         A         B         A         B         A         B           O         O         O         O         O         O         O         O           O         O         O         O         O         O         O         O	A         B         A         B         A         B         A         B         A           O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         O         D         I	A         B         A	A         B         A         B         A         B         A         B         A         B         A         B         A           0	A         B         A	A         B         A	A         B         A	A         B         A	A         B         A	A         B         A	A         B         A	A         B         A	A         B         A	A         B         A	A         B         A	A         B         A

Station: Tuy Hoa (48873)

	JA	M	F	EB	M	R	A	PR	M	Y	JL	IN	JL	IL	AL	JG	SI	EP	00	:1	NO	V	X	c
Within:	A	В	A	В	A	B	A	В	A	B	A	B	A	В	A	В	A	В	A	B	A	В	A	B
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	2	1
120NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	1	6	5	3	2
240NM	0	0	0	0	0	0	1	0	2	2	0	0	1	1	3	1	4	1	7	3	12	9	6	3

Station: Dalat (48881)

	J	M	F	EB	MA	AR	AF	PR	M	Y	JL	N	JL	L	AL	JG	SI	P	O	T	K	VC	DE	C
Within:	A	B	A	B	A.	B	A	В	A	В	A	В	A	B	A	В	A	В	A	В	A	В	A	В
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	1	1	0
120NM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	7	5	3	1
240NM	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	2	1	5	2	9	6	6	3

Station: Phan Rang (48889)

	JA	7	FI	B	M	AR	AF	PR	M	AY	JL	Z	JL	JL	AL	JG	S	EP	O	CT	K	VC	D	EC
Within:	A	В	A	B	A	B	A	В	A	B	A	В	A	В	A	В	A	B	A	В	A	B	A	В
60NM	0	0	0	0	0	0	0	0	0	0	0	0	o	d	0	0	0	0	2	0	4	1	1	0
120NM	0	0	0	0	0	0	1	0	0	0	0	0	a	q	0	0	0	0	2	0	7	5	4	3
240NM		0	0	0	0	0	1	0	1	1	0	0	a	d	0	0	2	1	6	2	9	8	6	3
	_													i					1					

Station: Phan Thiet (48887)

	JA	M		B																				EC
Within:	A	B	<b>A</b>	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
60NM	0	0	0	0	0	0																	1	0
120NM	0	0	0	0											0								1	0
240NM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	4	1	8	6	6	3

Station: Vung Tau (48904)

	JA	M													A									
Within:	A	В	A	В	A	B																		B
60NM	0	0	0	0	0	0											0	0	0	0	1	. 1	0	0
120NM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	2	0
240NM	0	0	1	0	0	0'	1	0	0	0	0	0	0	0	0	0	0	0	3	0	8	5	5	. 3

МО	TE:		-				er o	-	-		_	-	ropi	ical	Ste	orm:	s.							
Station: 0	Station: Can Tho (48911)  JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC																							
	JA	M	FE	В	M		AF	R	M		J	M	J		A	IG	SE		O	T	N		DE	C
Within:	4	B	4	B	<b>A</b>	В	A	В	Δ	В	A	В	A	В	A	В	A	В	A	B	A	B	A	В
60 NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
120NM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1 6	1 2	2	0
240NM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	6	2	2	0
Station: Quan Long (48914)																								
	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV															×	DEC							
Within:		B	A	B	A	B	A	B	A B		A	B	A	B	A	B	1	В	×	B	A	B	A	В
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
120NM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
240NM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	2	0	3	1	2	0
											لسا		لبا	لــــا			لـــا		L				لتا	
Station:_C	Station: Con Son (48918)																							
		M		B	M		A		M			٠Ž	JL			<u>IG</u>			$\alpha$			×		
Within:	<u>^</u>		<b>A</b>		A.		A	B	4	B	A		4 9		<b>A</b>	B	^	B	A	B	A	B	A	B
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1	0
120NM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	1	0
240NM	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	9	0	5	2	4	1
Station:_H	oan	g S	<b>a</b> (	488	60)																			
		AN		В	M			PR	M			N	JL			KG		P	O		X		DE	
Within:	A	B	A	B	1	B	A	B	A	В	<b>A</b>	В	A	В	A	В	A	В	A	B	Α	В	A	В
60NM	0	0	0	0	0	0	0	0	1	1	1	1	0	0	3	2	1	0	2	2	2	1	0	0
120NM	0	0	0	0	0	0	0	0	2	2	2	2	6	3	7	5	10	5	8	6	4	1	0	0
240NM	0	0	0	0	0	0	0	0	4	4	4	4	7	4	10	7	16	10	14	9	9	5	3	1
Station:_F		_		_			_		<u> </u>			_											T	
	I	AN	F	EB	M	AR	A	PR	M	AY	J	JN	L	JL	AL	JG	SE	P	O	T	N	V	DE	C
Within:	A		_	_	A		A		A	B	A		A		A	B	A	B	A	B	A		A	В
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
120NM		1	1	0	0	0					0			0		0			0	0			0	0
240NM		o	ī	o	o	o	ì	0		0	o	o	ŏ	o	o	0	0	Ö	1	0	ì		1	0
Station:_	_	_									_	_												
	1	AN		EB		AR		PR	M			N		JL		JG		P				V	DE	
Within:	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	В	A	B	A	В	^	В	A	В
60NM 120NM 240NM																								
	_			_											-									

### **SINGAPORE**

NOTE: A Number of Typhoons and Tropical Storms.  B Number of Typhoons Only.  SINGAPORE																								
Station: SINGAPORE ARPT (48694)																								
	JAN FEB				M	R	A	PR	MAY		JUN		JUL		AL	JG	SI	EP	OCT		NOV		DEC	
Within:	4	8	A	B	A	B		B	-	В	A			B		B		B	A	B	A	B	A	B
			0		0	0	0	0		0	0		0	0	0	0	0	0	0	0		0	0	
120NM	0		0			100				0			0		0	0		0	0		0	1		
240NM	0	0	0	0	0	U	0	0	0	0	0	0	0	0	0	0	0	0	0	U	0	0	0	0
Station:																								
	JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOT															)V	DEC							
Within:	A	B			A	B	A	B	A	B	A	B	A	B		В		В		B		В		
60NM 120NM 240NM																								
Station:																								
		N		B	M		A	PR	M	AY		JH	J	JL	AL	JG	SI	EP	O	CT	K	OV	DE	C
Within: 60NM 120NM 240NM	A	B	<b>A</b>	8	A	8	A	B	A	В	A	В	<b>A</b>	В	^	В	A	В	A	В	A	В	A	В
Station:					<u></u>						<u> </u>			_				_	_		_			
	1/	IN	F	EB	M	NR.	TA	PR	IM	AY	L	JN	JL	JL	AL	JG	SI	EP	O	T	N	DV'	D	EC
Within:		B		B		B		B		B			A			B		В		B		В		
60NM 120NM 240NM																								
Station:			_								_	_												
		W		EB	M			PR	M			N		IL		JG		P	O		K		D	
Within: 60NM 120NM 240NM	^	8	^	8	A		^	B	^	8	<b>A</b>	В	A	В	A	В	<b>A</b>	8	A	В	A	8		В
Station:					_							_												
		M		EB	_	AR	-	PR	M			M		JL		JG		EP	O			V	D	
Within: 60NM 120NM 240NM	^	В	^	8	A	B	A	B	A	В	<b>A</b>	В	•	В	<b>A</b>	8	^	B	^	В	A	В	<b>A</b>	В

#### **TAIWAN**

A -- Number of Typhoons and Tropical Storms.

TAIWAN

B -- Number of Typhoons Only.

NOTE:

Station:

TAOYUAN (46697)

### **THAILAND**

· NO	TE	•	A B					-		ons	_				Sta		<b>s</b> .							
			_										_	nA.	LAN	-	_							-
Station:																								
	JA	N	FE	В	M		AF	R	M	Y	JL	_				JG	SE	P	O		N		DE	C
Within:	A		A		A	В	A	В	<b>A</b>	В	A	В	A	В	A	В	A	В	A	_	A	В	A	
60 NM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120NM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
240NM	U	U	'	U	U	U	U	Ü	U	Ŭ		ŭ		Ü		_	Ů	Ü	Ū	U	'	Ů		Ů
Station: PHUKET (48564)																								
	J	AN	FEB		MAR		APR		MAY		JUN		JL	IL	AUG		SEP		O	T	N	V	Œ	c
Within:	A	В	4		<b>A</b>	B	A	В	1	Β.	A		A	В	A	В	A	В	A	B	A	B	A	B
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
120NM	0	0	0	0		0		0	0	0	0	0	0	0		0	0	0	1	0	0		0	0
240NM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	- 1	0
Station: SONGKHLA (48568)																								
	_	AN		EB	M			PR	M		_	M	JL			JG		P	α			VC	DE	С
Within:	<u>^</u>	+	A	_		B	A	B	A	B	A	_	A		A	B	A 0	B	A		A	B	A	B
60NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
120NM 240NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	,	0	0	0	1	0
240NM	0	0	Ľ	0	0	U	0	U		0	U	0	0	U	U	U	Ů	U	Ľ	U	U	0	"	0
Station:																								
		AN		EB	M			PR	M			N	JL			JG		EP	O		K		DE	
Within:	^	B	^	B	^	B	A	B	A	В	<b>A</b>	В	^	В	A	В	A	В	A	В	A	В	A	В
60NM																								
120NM																								
240NM																				-				
Station:																								
		AN		EB		AR		PR	M			N		JL.		K		P	O		K		DE	
Within:	1	B	1^	B	1	B	^	B	A	В	A	B	A	B	A	B	A	B	^	B	A	В	A	B
60NM																								
120NM 240NM																							,	
Station:			_										_				•							
		AN	F	EB	M	AR	A	PR	M	AY	JL	JN	JUL		AUG		SEP		OCT		NOV		DE	c
Within:	A	B	_	B	A	_		B	A		A	_	_	B	_	В		8	A		A		A	
60NM																								
120NM 240NM										`														